P.W.G. 17 | Original/Duplicate/Triplicate

NO | 1st and part Bill | **CONTRACT CERTIFICATE** | Reference paras 158 & 170

Division Yelahanka | Sub division Yelahanka New Town | **AEE, YSTSD,**

Bills received No | YNK DBR No. 92 Date 26.12.18 | Sub-divisional / Divisional | Cash book vr No | **SBR No:** 284/18-19 Date 1/12/2018

Sheduled Docket No | Head of account 1771 | Date

Name of work(as per sanctioned estimate) :-

NAME OF WORK :Maintenance of pump and motors in ward no 03

Work Code:003-18-000054

Name of contractor and full address :- **Sri C Raju**

Reference to agreement No :- 18 | **Estimated cost : 25.00** | **Work order No :18, dt:07/08/2018**

Certified that the measurments were taken by me on 27/8/18 and recorded on pages 114931 to 114938 of measurment book No 1150 and the work is satisfactorily executed by the contractor.

Signature of contractor | Asst. Engineer

Certified that the measurments were taken by me on 27/8/18 and recorded correct.The work is satisfactorily executed

Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon.A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%---------		
3) Balance---	1st & part	1209013:00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount	FSD	—
	CAST	10795
b) Cost of payments/stores or other materials supplied now made recovery of Amount paid on this bill by cheque/cash	SGST	10795
	LC	12090
Total	IT	12090
	CBF	1209
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book	T.D	46979:00
7) Net amount due to or from contractor.		
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)	Nil	1162034:00
9) Value of government materials supplied.		
TOTAL AMOUNT UN-ADJUSTED		

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum

(in final settlement of all demand)

Witness

1)

2)

Reciept Stamp

Audited & Admitted for Rs. 1209013

1162034:00

and Rs. 46979:00

Executive Engineer

Dated signature of contractor

paid by me cheque No dated

Cash Rs.....

Date | Initials of officer making payment | Date

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	2	3	4	5	6	7	8	9	10
1	Lifting of Submersible pump set **(P.40/I.13) PRED SR (2013-14) P-56 I.No 3.21**	No.			40.00	824.50	32980.00	40.00	32980.00
2	Transportation of pumping machineries PRED SR For 2012-13 **(P.41/I.14)PRED SR (2013-14) P.No 56 Item No 10-3-19**	No.			40.00	873.00	34920.00	40.00	34920.00
3	**A) Repairs to Motor:** Rewinding of submersible pump sets with copper insulation wire of suitable gauge as per ISI specification with guarantee of 6 months. **PRED SR (2013-14) P No. 54/ I. No. A) (Above 5 HP upto 10HP add Rs.120/- for every ½ HP)**	No.					0.00		
	B) 10 HP Motor				40.00	3589.00	143560.00	40.00	43560.00
	upto 5 HP 2500.00								
	for 10 HP (120 x 10) 1200.00								
	Total 3700								
	111.00								
	3811.00								
	B) Replacement of Motor Parts:								
4	Stator (with one year Guarantee) **P No. 55/ I No. C(1) PRED SR (2012-13) 10.3.3**	No.			40.00	4898.50	195940.00	40.00	195940.00
5	Rotor (with one year Guarantee) **P No. 55/ I No. C(2) PRED SR (2013-14) 10.3.6**	No.			30.00	4559.00	136770.00	30.00	136770.00
6	Upper Flange **P. No. 40 / I No. 10.3.7 PRED SR (2013-14)**	No.			35.00	339.50	11883.00	35.00	11883.00
7	Lower Housing **P. No. 55 / I No.10.3.10PRED SR (2013-14)**	No.			30.00	630.50	18915.00	30.00	18915.00
8	Lower flange **P. No. 40 / I No.5 PRED SR (2008-09)**	No.			40.00	339.50	13580.00	40.00	13580.00
9	a) Carbon Housing **P. No. 56 / I No.10.3.12 PRED SR (2012-13)**	No.			35.00	460.75	16126.00	35.00	16126.00
10	b) Thrust bearing block assembly complete with Segment bearing pad.**P. No. 40 / I No10.3.13PRED SR (2012-13**	No.			40.00	1115.50	44620.00	40.00	44620.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
11	Top Carbon /Ferrodo padding **P. No. 56 / I No. PRED SR (2012-13)**	No.			40.00	145.50	5820.00	40.00	5820.00
12	Bearing (GunMetal) Centrifugal cast Aluminium Bronze, bearing bush. **P. No. 56/ I No10.3.16 PRED SR (2013-14)**	No.			38.00	388.00	14744.00	38.00	14744.00
13	Motor Base with pin **P. No. 56 / I No.10.3.18 PRED SR (2013-14)**	No.			40.00	455.90	18236.00	40.00	18236.00
14	Re-erection charges of pumping machineries including overhauling and painting **P. No. 56 / I No.50 PRED SR (2013-14)**	No.			40.00	921.50	36860.00	40.00	36860.00
15	Labour charges (overhauling only) **P. No. 55/ I No.10.3.22 PRED SR (2012-13)**	No.			40.00	533.50	21340.00	40.00	21340.00
	C) Replacement of pump parts: The following main components of submersible pump sets requiring replacement.								
16	Pump Bowls **P. No. 54 / I No.10.2.1 PRED SR (2013-14**	No.			35.00	679.00	23765.00	35.00	23765.00
17	Intermediate piece (I.P) with IP leaded bronze bush **P. No. 54 / I No10.2.2 PRED SR (2012-13)**	No.			40.00	436.50	17460.00	40.00	17460.00
18	Oil Seal **P. No. 39 / I No.B3 PRED SR (2008-09)**	No.			40.00	121.25	4850.00	40.00	4850.00
19	Oil Seal Steel Bush **P. No. 54/ I No.10.24 PRED SR (2012-13)**	No.			40.00	145.50	5820.00	40.00	5820.00
20	Guide vane **P. No. 54 / I No.10.2.5 PRED SR (2012-13)**	No.			40.00	169.75	6790.00	40.00	6790.00
21	Impeller (Shell moulded with aluminium and Bronze) **P. No. 54/ I No.10.2.70 PRED SR (2012-13)**	No.			40.00	412.25	16490.00	40.00	16490.00
22	a) Discharge outlet (D.O) Bearing D.O Steel Bush **P. No.54 / I No.10.2.70 RDED SR (2012-13)**	No.			35.00	431.65	15108.00	35.00	15108.00
23	b) D.O Bearing **P. No. 54 / I No.10.2.8 PRED SR (2012-13)**	No.			40.00	276.45	11058.00	40.00	11058.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
24	Steel Bush (D.O.Steel bush) **P. No. 54 / I No.A710.2.9 PRED SR (2012-13)**	No.			40.00	145.50	5820.00	40.00	5820.00
25	Allen Screw **P. No. 55 / I No.8 PRED SR (2012-13)**	No.			40.00	24.25	970.00	40.00	970.00
26	Pump shaft made out of stainless steel Centreless ground with key way (upto 8 stages) **P. No. 55/ I No.10.2.11 PRED SR (2013-14))**	No.			40.00	921.50	36860.00	40.00	36860.00
27	Pump key (Stainless steel) **P. No. 55 / I No.10.2.12 PRED SR (2012-13))**	No.			30.00	121.25	3638.00	30.00	3638.00
28	Pump Coupling (Stainless steel) **P. No. 55/ I No.10.2.13PRED SR (2012-13)**	No.			40.00	242.50	9700.00	40.00	9700.00
29	Non – return valve (NRV) assembly complete with rubber 'O' Ring **P. No. 55 / I No.10.2.14PRED SR (2012-13)**	No.			36.00	1309.50	47142.00	36.00	47142.00
30	Cable Guard **P. No.55 / I No.10.2.15 PRED SR (2012-13)**	No.			40.00	145.50	5820.00	40.00	5820.00
31	Strainer **P. No. 55 / I No.10.2.16 PRED SR (2012-13)**	No.			40.00	145.50	5820.00	40.00	5820.00
32	Brass Filter **P. No. 55 / I No.10.2.17) PRED SR (2012-13)**	No.			40.00	242.50	9700.00	40.00	9700.00
33	Supplying and fixing miniature circuit breakers/solaters on existing MCB distribution boards using necessary fixing materiasl wiring complete as requireds 5 to 30 amps triple pole with all lead and lift, loading, unloading and labour charges etc complete as per specifications	No.			25.00	970.00	24250.00	25.00	24250.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
34	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, P-66, I.No.7) KPWD Electrical SR 2007-08	No.			30.00	1891.50	56745.00	30.00	56745.00
35	Supplying of ISI marked galvanized mild steel tube (continously welded electric resistance welded (ERW) high frequency, induction welded (HFIW) Hot finished welded type of nominal bore given below screwed at both ends as per IS 554/1986 with latest amendments, pipes threaftes at one end and the other end protected asper specification in random lengths of 4 to 7 mtrs Confirming to IS 1239 part I/1990 with amendament 1-5 and with all its latest amendements if any. The pipes supplied should be with BIS mark No 3/08-09 2406/15.10.2008. 50 mm dia including Collar Heavy Class 2016-17, P-90, i.no13.15	No.			216.00	418.07	90303.00	216.00	90303.00
36	GI Collers	No.			50.00	97.00	4850.00	50.00	4850.00

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement Qty	Previous Measurement Cost	Present Measurement Qty	Present Measurement Rate	Present Measurement Amount	Total Up to date Qty	Total Up to date Cost
37	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 46/ I No. 30-B 4.0 Sqm mm of 36 strands 0.3mm dia Group - A KPWD Electrical SR 2007-08 3/2008-09 4538/19.01.2009 (1x3x4.00 Sqmm PVC cable)	mtr			408.00	146.47	59760.00	408.00	59760.00
					TOTAL		120901300		120901300

Ward-no 03
Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P. Bangalore-106